



LED Pixel Bar

PIXBAR12VW - LED Pixel Bar 12 x 12W Variable White LEDs

USER MANUAL



For safety, please read this user manual carefully before initial use.

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V.1.0 (13.10.2023)

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Safety Instructions

WARNING

- Do not open this device, there is no user-serviceable parts inside. Risk of electric shock.
- Do not look at the light source when the device is on.
- **CAUTION:** This unit's housing may be hot during and after operation.
- Install this device in a location with adequate ventilation, at least 20 inch (50 cm) from adjacent surfaces.
- Do not leave any flammable material within 50 cm of this unit while operating or connected to power.
- Use a safety chain when mounting this device overhead.
- Do not operate this device outdoors or in any location where dust, excessive heat, water, or humidity may affect it.
- Do not operate this device if the housing, lenses, or cables appear damaged.
- Do not connect this device to a dimmer or rheostat.
- **ONLY** connect this device to a grounded and protected circuit.
- **ONLY** use the hanging bracket to carry this device.
- In case of a serious operating problem, stop using immediately.
- The maximum ambient temperature is 104° F (40° C). Do not operate this device at higher temperatures.

Power Input & Power Linking

This device has an auto-switching power supply work with input voltage range of 100~240 VAC, 50/60 Hz.

Link up to the maximum of 15A. DO NOT exceed this number.

Product Installation

This device can be mounted in many orientations provided each individual device is secured by the use of correct mounting bracket.

Use a safety chain when mounting this device overhead.

Fuse Replacement

If the fine-wire fuse of the device fuses, only replace the fuse by a fuse of same type and rating.

Before replacing the fuse, unplug mains lead.

Procedure:

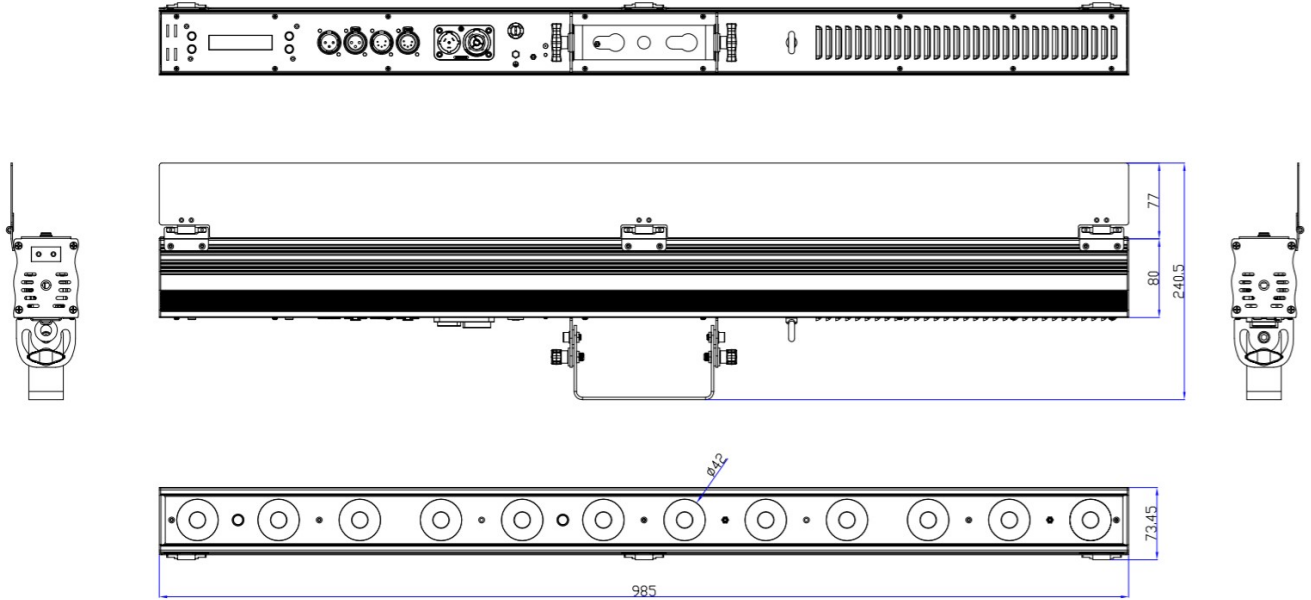
Step 1: Unscrew the fuse holder on the rear panel with a fitting screwdriver from the housing (anticlockwise).

Step 2: Remove the old fuse from the fuse holder.

Step 3: Install the new fuse in the fuse holder.

Step 4: Replace the fuse holder in the housing and fix it.

Dimensions



Lux Chart

LUX @ 25°	1m	2m	3m	4m	5m
White	4440	1850	1090	680	513
Warm White	3840	1720	927	593	446
Amber	2070	966	539	335	257
Full on	10050	4350	2320	1565	1180

Control Panel Operation

Menu Map

Display	Options/Values	Description
01. DMX Address	<001> - <512>	Set the DMX address.
02. DMX Channel	<01> <02> <03> <10> <12> <12P> <36> <38>	Set the DMX channel mode.
03. Dimmer Curve	<01> <02> <03> <04><05>	Set the dimmer curve.
04. Manual Colour	Warm White <001> - <255> Cool White <001> - <255> Amber <001> - <255> <Dim: 000> - <Dim: 255> <Strobe:000> - <Strobe:255>	Set the intensity of each colour separately, and the strobe rate.
05. Auto Program	<Pr: 01> - <Pr: 05> <Sp: 000> - <Sp: 100> <Dim: 000> - <Dim: 255>	Select an auto program, speed and brightness.
06. Master/Slave	<M> <S>	Select master or slave mode.
07. Reset	<N> <Y>	Reset to factory settings.

Menu Operation

<Menu> - Move up a level.
<Up> - Move selection up one item.
<Down> - Move selection down one item.
<Enter> - Select / Move down a level.

DMX Address

After selecting DMX Address, press <Enter> and use <Up> or <Down> to set the desired DMX address then press <Enter> to confirm.

DMX Modes

After selecting DMX Channel, press <Enter> and use <Up> or <Down> to select the desired DMX channel mode. Press <Enter> to confirm.

Dimming Mode

After selecting Dimmer Curve, press <Enter> and use <Up> or <Down> to select the desired dimming mode, then press "Enter" to confirm your selection.

Manual Colour

This allows you to manually set the intensity of Warm White,Cool White,Amber channels separately, as well as set the strobe speed, without a DMX controller.

Use <Up> or <Down> to select Warm White/Cool White/Amber to adjust colour intensity or S to adjust strobe speed, then use <Up> or <Down> to set colour intensity values between 0 and 255, strobe speed between 0 (slowest) and 100 (fastest). Press <Enter> to confirm.

Automatic Mode

PR01	PROGRAM MACRO 01
PR02	PROGRAM MACRO 02
PR03	PROGRAM MACRO 03
PR04	PROGRAM MACRO 04
PR05	PROGRAM MACRO 05

Set Auto Run PR01-05

After selecting Auto Program mode, use <Up> or <Down> button to select the built-in programs. Press <Enter> and use <Up> or <Down> button to select auto run speed from <Sp000> to <Sp100>. Press <Enter> and use <Up> or <Down> button to select intensity values of Auto Program from <dim000> - <dim255>. Press <Enter> to save your setting.

Set Multi Fixture Chases – PR03/04/05

Before starting, go to each fixture and reset the menu to factory defaults.

On the master unit, setup the DMX address to the total number of fixtures in the string. For example, if you have a total of 20 PIXBARs including the master, set the DMX address to 20.

On the master unit, go to Master/Slave menu setting and set it to Master mode. Select Auto Mode PR03/04/05.

On each slave unit, set the DMX address to the position of the fixture in the string. For example, if the unit is the 2nd unit in the string, including the master, set the DMX address to 2. It is possible to double up fixture positions. Also go to Master/Slave menu to set it to Slave mode.

Master/Slave Operation

Set the master fixture to one of the standalone operating modes: Auto, Sound, Static colour, or manual colour. Set the slave fixtures to Slave mode and press <Enter> to save the setting

Reset

To restore factory settings, select Reset and press <Enter>, then use <Up> or <Down> to select "Yes". Press "Enter" to confirm.

DMX Chart

The device is controlled by universal DMX512 protocol, DMX address is the start channel used to receive instructions from the external controller. For independent control, each fixture must be assigned its unique address control channels. For example, this device has seven channel modes: 1/2/3/10/12/12P/36/38. If we set the DMX mode to 3 channel mode, and there are several fixtures that need to be independently controlled, we just simply address first fixture at 1, and second fixture at 4, third one at 7, etc. If the devices have the same address, they will behave synchronically. Display is flashing when no DMX signal is received.

Channel								DMX Value	Function
1CH	2CH	3CH	10CH	12CH	12PCH	36CH	38CH		
1	1							0-255	Master dimmer(select color temp from the menu)
	2							0-255	ColorTemp Warm->Cold
		1	3					0-255	Warm white (All Cell)
		2	4					0-255	Cool white (All Cell)
		3	5					0-255	Amber (All Cell)
			1					0-255	Dimmer coarse
			2					0-255	Dimmer fine
								0-7	Shutter Closed (No Light)
								8-15	No function (Shutter On)
								16-119	Strobe Slow -> Fast(1-25HZ)
			6					120-127	No function (Shutter On)
								128-183	Strobe Random Slow -> Fast
								184-191	No function (Shutter On)
								192-247	Strobe Audio sensitivity low -> high
								248-255	No function (Shutter On)
			7					0-255	ColorTemp Warm->Cold
								0-9	No function
								10-57	Auto Program1
			8					58-106	Auto Program2
								107-155	Auto Program3
								156-204	Auto Program4
								205-255	Auto Program5
			9					0-255	Auto Speed Slow -> Fast
									Dimmer_Curve
								0-50	Standard
								51-101	Stage
			10					102-152	TV
								153-203	Architec
								204-255	Theatre
				1				0-255	Warm white Cell 1-3

				2			0-255	white	Cell 1-3
				3			0-255	Amber	Cell 1-3
				4			0-255	Warm white	Cell 4-6
				5			0-255	white	Cell 4-6
				6			0-255	Amber	Cell 4-6
				7			0-255	Warm white	Cell 7-9
				8			0-255	white	Cell 7-9
				9			0-255	Amber	Cell 7-9
				10			0-255	Warm white	Cell 10-12
				11			0-255	white	Cell 10-12
				12			0-255	Amber	Cell 10-12
						1	0-255	Master dimmer	
						2	0-255	Strobe	
					1	3	0-255	Warm white Cell 1	
					2	4	0-255	white Cell 1	
					3	5	0-255	Amber Cell 1	
					4 to 36	6 to 38	0-255	Cell 2 to 12	
				1 to 12			0-255	Cell 1 to 12 Dimmer(select color temp from the menu)	

Technical Specifications

Power

- Input voltages: 100V~240V AC,50/60Hz
- Power consumption: 75W
- Power connection: Neutrik® True 1 Input & Output Connection

Photometrics

- Light source: 12pcs 6W Warm White+Cool White+Amber 3-in-1 LEDs
- Beam angle: 25° (Optional 8°/15°/50°)
- Output: 4350 lux @2.0 full on
- PWM: 1200 Hz
- LED life: 50,000 hours

Effects

- Dimming: 5 dimming curves(Standard /Stage/TV/Architec /Theatre)
- Strobe: 1 - 30 Hz

Control

- Operational modes: DMX, auto, manual, sound active, master/slave
- DMX protocol: DMX512, Wireless DMX
- DMX channel mode: 1/2/3/10/12/12P/36/38CH
- DMX interface: 3-Pin & 5-Pin XLR
- Display: 4-button LCD display control panel
- Software upgrade via DMX: yes

Housing

- Housing materials: aluminium housing
- Housing finish: matte black
- Cooling: Fanless Cooling
- Dimensio: 1050x165x80mm
- Net Weight: 4.3kg

Accessory

- Barndoor (0.75kg)
- Filter
- Interlock

WARRANTY

Please refer to your local dealer or please contact Event Lighting Pty Ltd

Website: www.event-lighting.com.au